

PROVIDING A FUNCTIONAL LAYER FOR FACILITATING
CREATION AND MANIPULATION OF COMPILATIONS OF CONTENT

5

ABSTRACT

A web-based system, method and program product are provided for adding content to a content object stored (e.g., a custom compilation or prepublished work) in a data repository as a group of hierarchically related content entities. Each noncontainer content object is preferably stored as a separate entity in the data repository. Each content entity is also stored as a row in a digital library index class as a collection of attributes and references to related content entities and containers. As the user selects desired objects for inclusion in a content object, the system arranges the objects hierarchically, e.g., into volumes, chapters and sections according to the order specified by the user. The system then creates a file object (e.g., a CBO) defining the content object that contains a list or outline of the container and noncontainer entities selected, their identifiers, order and structure. This file object is stored separately in the data repository. An aspect of the invention is the provision of a functional layer between a user interface and the data repository for facilitating the creation, manipulation, storage and management of content objects in the data repository.